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Supplemental Material

Differences in Birth Weight Associated with the 2008 Beijing Olympic Air Pollution Reduction: Results from a Natural Experiment

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Table 1. Change in birth weight (g; term births), associated with each interquartile range (IQR) increase in mean pollutant concentration during each gestational month.

Month	PM _{2.5} IQR = 19.8 µg/m ³			NO ₂ IQR = 13.6 ppb			SO ₂ IQR = 1.8 ppb			CO IQR = 0.3 ppm		
	N	Change in birth weight (g) (95% CI)	p-value	N	Change in birth weight (g) (95% CI)	p-value	N	Change in birth weight (g) (95% CI)	p-value	N	Change in birth weight (g) (95% CI)	p-value
1	10,085	-14 (-30, 1)	0.08	10,778	-19 (-60, 22)	0.37	8,186	1 (-14, 15)	0.94	10,778	-5 (-17, 8)	0.48
2	9,502	0.0 (-16, 15)	0.96	10,556	0 (-29, 28)	0.30	8,562	0 (-14, 14)	0.95	10,557	0 (-13, 12)	0.95
3	9,589	-2 (-18, 15)	0.84	10,652	-12 (-54, 29)	0.56	7,808	-2 (-17, 13)	0.76	10,653	1 (-12, 14)	0.90
4	10,158	-1 (-17, 14)	0.85	12,361	-18 (-58, 23)	0.40	8,274	-4 (-18, 10)	0.54	11,273	-8 (-21, 5)	0.22
5	11,177	-1 (-16, 14)	0.90	11,273	-7 (-46, 31)	0.70	9,258	2 (-11, 16)	0.74	12,361	-2 (-13, 10)	0.76
6	11,276	-1 (-15, 14)	0.91	12,341	22 (-17, 60)	0.27	9,180	7 (-6, 21)	0.27	12,342	6 (-6, 17)	0.34
7	11,114	-8 (-22, 7)	0.29	12,033	-23 (-60, 15)	0.24	9,116	-7 (-19, 7)	0.33	12,033	-6 (-17, 6)	0.33
8	10,771	-18 (-32, -3)	0.02	11,770	-34 (-72, 3)	0.07	8961	-23 (-36, -10)	<0.001	11,770	-17 (-28, -6)	0.004

All models included indicator variables for gestational age (complete weeks) at delivery, residential district, maternal education (bachelor's degree, some college or technical school, high school or less), linear terms for the mean temperature and relative humidity levels during the same 1st month of pregnancy, and a smooth term for maternal age (smoothing spline with 4 degrees of freedom).